

UMASS/AMHERST



312066005066215

INTERNATIONAL HARVESTER



CATALOGUES

S
677
I5

LIBRARY
OF THE



SPECIAL COLLECTIONS
& ARCHIVES

SPECIAL COLLECTIONS
ARCHIVES

MASSACHUSETTS
AGRICULTURAL
COLLEGE

SOURCE

S

677

15

FEED GRINDERS
KNIFE GRINDERS
BINDER TWINE
THRESHERS
STONE BURR MILLS
GRAIN DRILLS
CREAM SEPARATORS
OIL AND GAS ENGINES
MANURE SPREADERS
FERTILIZER SDWERS
TRACTORS
WAGONS AND TRUCKS.

INTERN

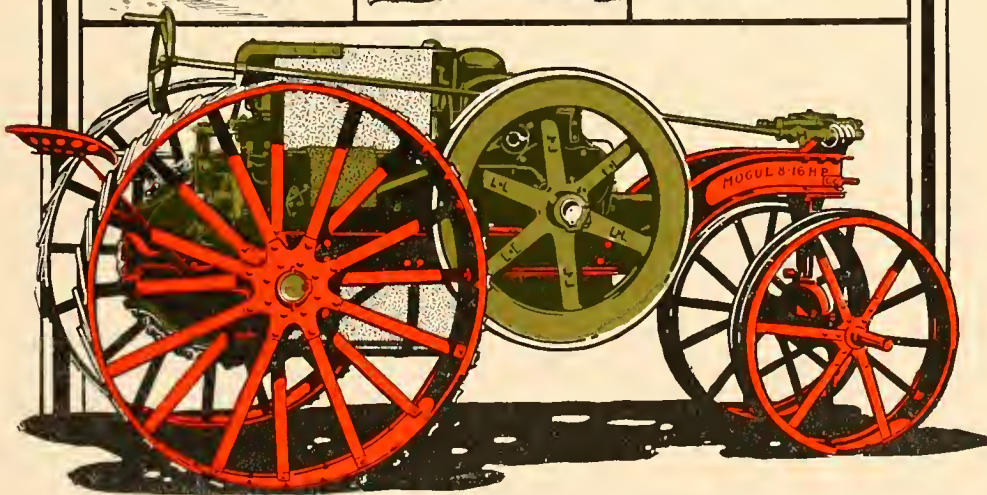
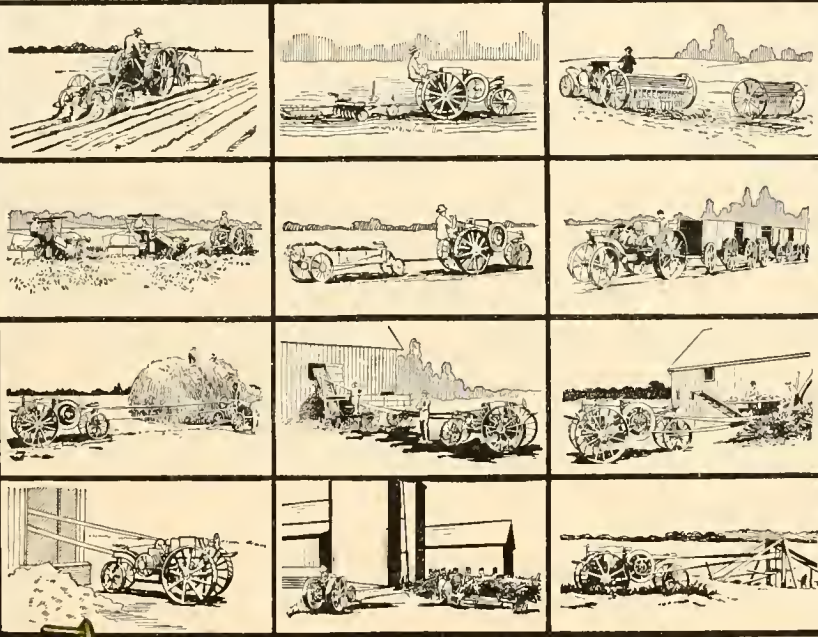
on on these
se or write

OF AMERICA

MOGUL

8-16 H.P.

OIL TRACTOR



A Small-Farm Tractor
for All Farm Work

Mogul 8-16 H. P. Oil Tractor \$675.⁰⁰

Cash
F. O. B.
Chicago

Construction of the 8-16 H. P. Mogul Tractor

THIS tractor has been developed to meet the demand for a general purpose farm tractor for the average size farm, and while it has been made simple, small and light, it has been made strong and durable by eliminating unnecessary parts and using the best material available for each part. In the 8-16 Mogul we offer a tractor which is a profitable investment for any farmer, because it gives more power at the draw bar and on the belt, is more durable, is simpler, easier to operate, in proportion to its cost, weight and size, than any tractor which has ever before been placed upon the market. It will operate successfully on distillate, kerosene, motor spirits or gasoline, the same as the Mogul portable engine. It is only 56 inches wide, so that it is well adapted to run between rows of corn, pulling corn pickers, corn binders, etc. It is only 5 feet high, and turns short, making it well adapted for use in orchards. The rear wheels carry only 3,500 pounds, and with extension tires the weight per square inch on the ground is 10 pounds, which is approximately only half the weight of the average horse. This tractor will pull full 8 mechanical horse power at the draw bar, on approximately two gallons of kerosene per hour and will do this work continuously, making this one of the most profitable investments for the farmer.

The construction of this tractor is surprisingly light, yet lightness has not been sacrificed for strength. This is due to the generous use of steel instead of iron. Weight without friction clutch pulley, 4,920 pounds.

Frame. The frame is composed of channel steel. The channels are curved up from the front wheels, forming an arch, which absorbs the greater part of the engine vibration, making this tractor very quiet and steady while in operation.

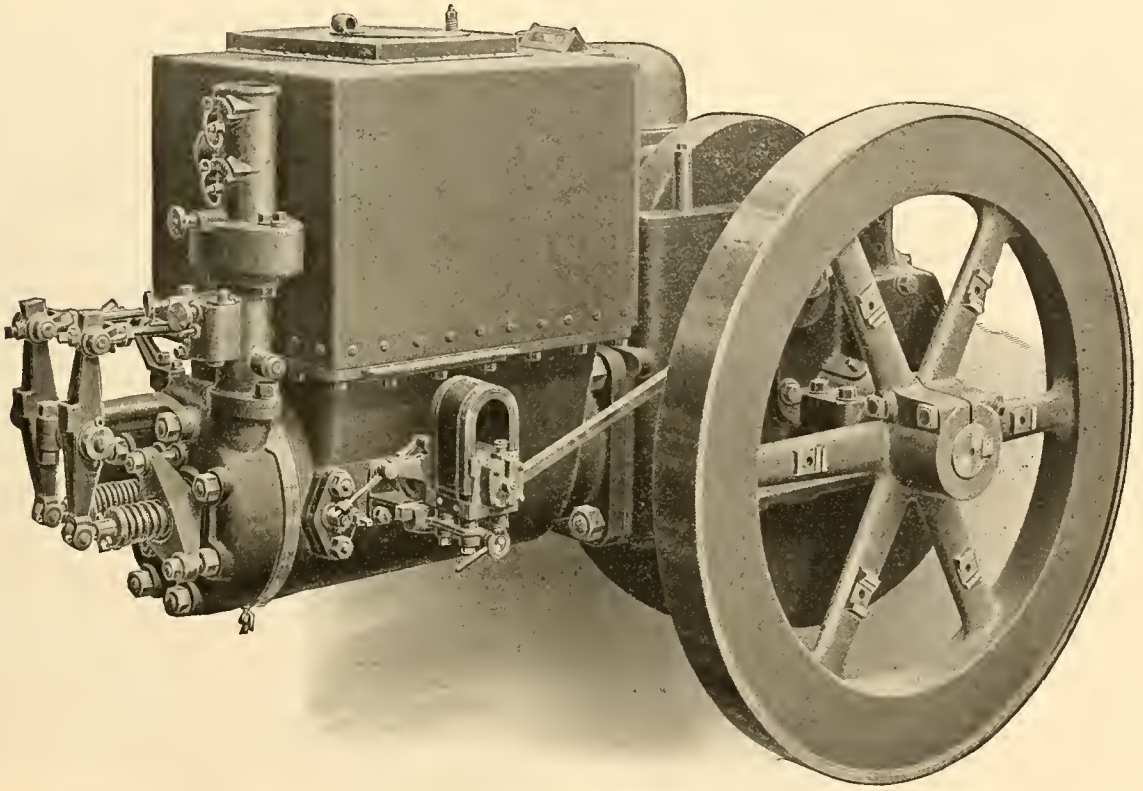
Wheels. The wheels are very strongly made, with flat spokes hot-riveted to the hubs and rims. The rims are made from specially-rolled sections with reinforced edges. Diagonal channel type steel cleats are bolted on the drive wheels.

Steering. This tractor is steered by a hand wheel convenient to the driver, operating a non-reversible worm and sector steering gear. This type of steering gear enables the operator to handle his tractor as easily as an automobile, and to turn very short.

Transmission. The transmission is of the planetary type, one speed ahead, and reverse. The transmission is fitted with roller bearings, is dust-tight and runs in oil, which prevents excessive wear and cutting. With this type of transmission the operator need never be afraid of stripping gears.

Chain Drive. Power is transmitted from the transmission to the rear axle by a chain on the left side, which is amply strong to take care of all the power the engine can produce.

Most Power For Weight and Money Ever Offered



The power plant of the Mogul 8-16 H. P. oil tractor

This method of power transmission has several advantages. It eliminates the trouble caused by gears getting out of alignment, and it gives the engine a more elastic load to pull against. It also enables the owner to change the speed of his tractor without buying a new transmission, as different size sprockets can be bought and easily put on.

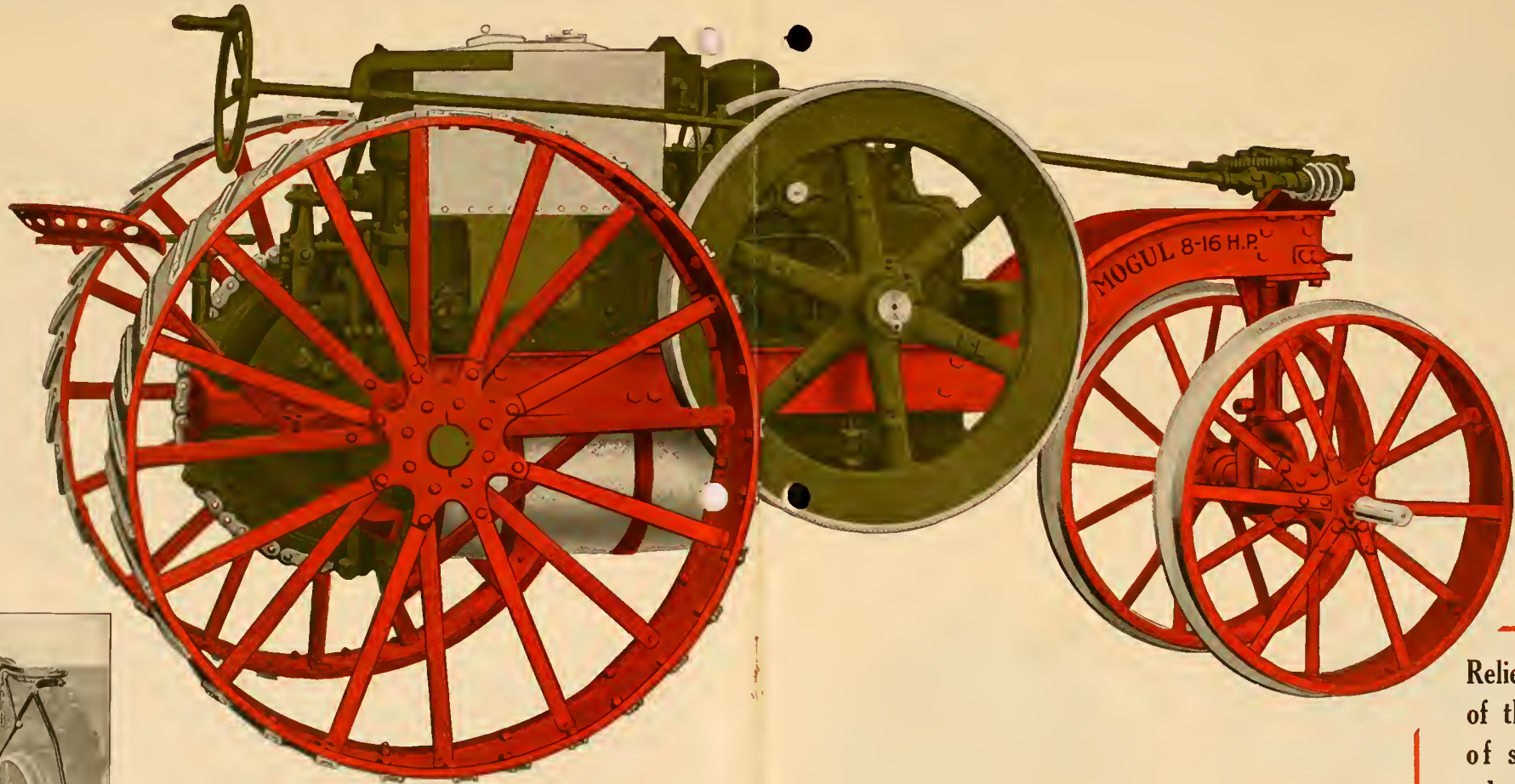
Differential. The differential is located on the large sprocket on the rear axle, and the differential frame is furnished with a large brake band and hand wheel for setting the tractor rigid when being used for belt work.

Type of Engine. The power plant is a single cylinder, four cycle, slow speed oil burning engine of extremely simple construction. This is not a re-constructed or light weight general purpose engine but was designed and built especially for the Mogul 8-16 H. P. tractor by Mogul engineers in the Mogul factories. No feature that would insure its economy in operation, reliability or durability has been omitted; in fact, this engine is a new departure in small tractor construction. It is designed and built for reliability rather than light weight.

The Small-Farm Tractor for all Farm Work

\$675.00

Cash
F. O. B.
Chicago



Mogul 8-16 H. P. Oil Tractor

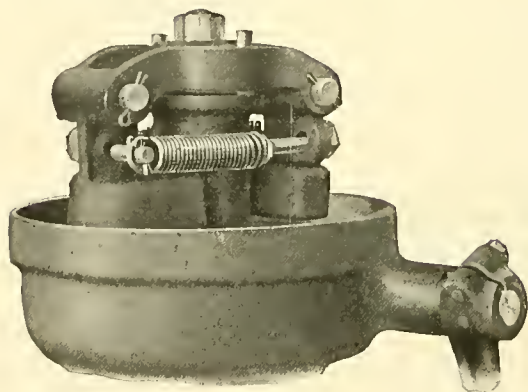
Relieves you
of the labor
of steering
when plow-
ing and en-
ables you
to watch
the plows



Automatic Steering Device furnished as
an extra on special order. Price \$25.00

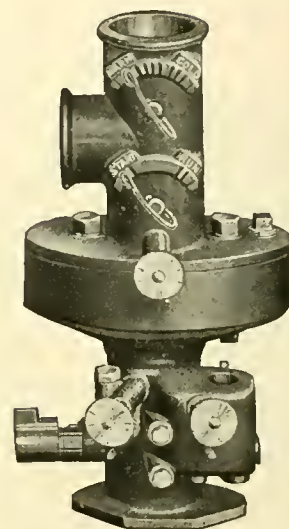
Mogul 8-16 H. P. Oil Tractor \$675.⁰⁰

Cash
F. O. B.
Chicago

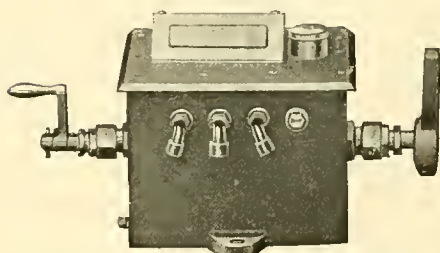


Fly-ball governor with cover removed. This governor operates in an oil bath in a dust-tight case

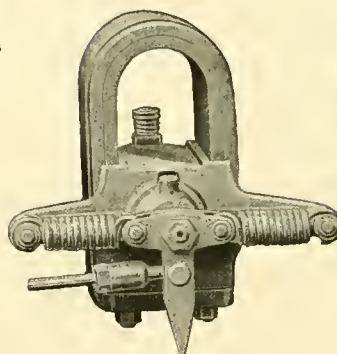
Each part of a Mogul
is the best that can be
produced



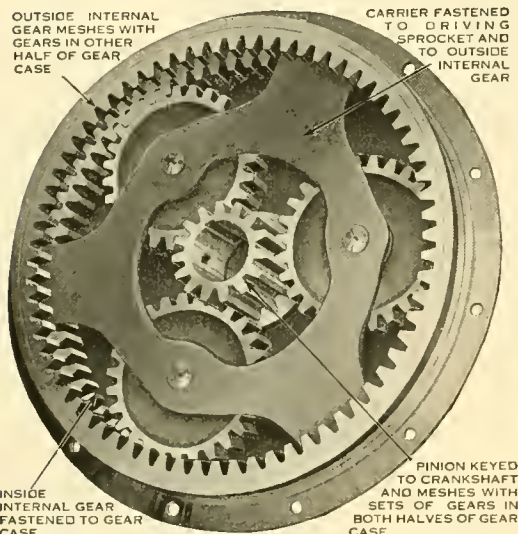
Mogul throttle governed oil mixer
burns kerosene, distillate, solar
oil, gas oil, motor spirits
or gasoline



Automatic force feed oiler insures perfect lubrication

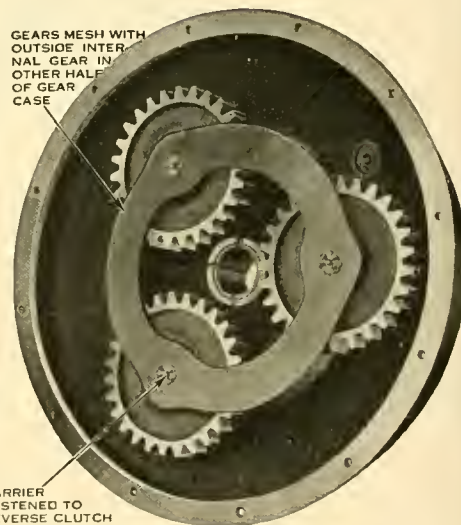


Oscillating magneto
No batteries needed



Inner half of planetary transmission with sleeve and pinion removed

This is the simplest type of transmission that can be used and has many advantages for small tractor work. The gears are always in mesh and as the gears are thrown in or out of action by means of brake hands there is no danger of stripping the gears. The gear case is dust-tight and the gears run in a bath of oil



Outer half of planetary transmission with shaft and pinion removed

Most Power for Weight and Money Ever Offered

Construction. The crank case is enclosed and dust-tight. The valves are both mechanically operated in cages which are easily removed. The exhaust valve is water-cooled. The engine is throttle governed by a fly-ball governor running in oil in a dust-tight case. The mixer is the genuine Mogul mixer identical to the mixers used on the larger Moguls. It will operate on kerosene, distillate down to 39° Baume, gas oil, solar oil, motor spirits, naphtha or gasoline without change of adjustment. A compression relief cam is provided to facilitate starting. The engine is water-cooled by a large hopper, holding 35 gallons, which is sufficient for five hours' operation. The hopper is made of heavy galvanized sheet steel bolted to the engine cylinder and can be easily removed. Make-and-break ignition is used, the current being furnished by an oscillating type magneto. No batteries are needed. An automatic force-feed oiler lubricates the main bearings.

Equipment. This tractor is equipped with a standard Mogul friction clutch pulley, 20 inches in diameter, with a 10-inch face, standard diagonal type lugs on the rear wheels, magneto, oiler and necessary tools.

Special Equipment. If desired, the tractor can be equipped when ordered with special sprockets, one to operate two miles an hour, or one to operate at two and a quarter miles an hour. These special sprockets can also be furnished extra, and can easily be put on by the owner. Five-inch extension rims for rear wheels, price \$20.00 F. O. B. Chicago, and long ice lugs, price \$6.75 F. O. B. Chicago, can be furnished on special order. Also special angle lugs extending over the side of the wheel for use on soft ground.

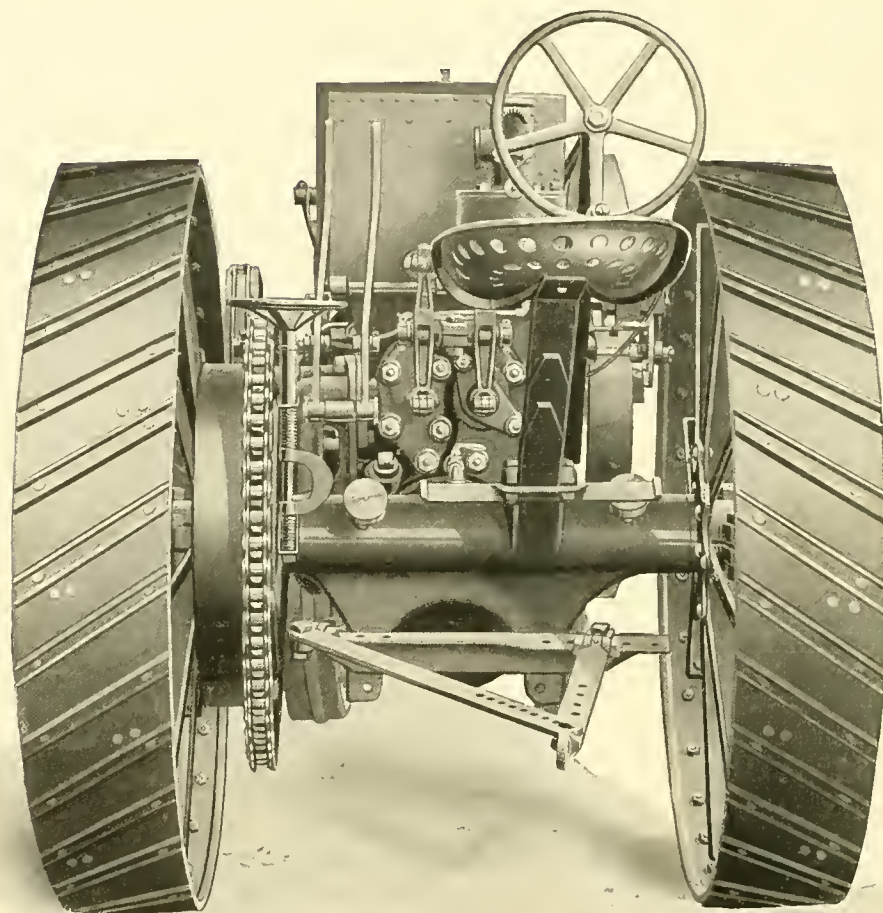
Different size pulleys from 8 inches in diameter up to 24 inches in diameter can be furnished on special order.

Special Steering Gear. An automatic steering gear for attaching to the front to steer the tractor while plowing can be furnished on special order.

Rated Horse Power on belt work	Rated Horse Power on Draw Bar	Speed of Tractor — miles per hour	Speed of Engine — revolutions per minute	Cylinder		Pulley		Front Wheels		Drive Wheels		Capacity of kerosene tank, gallons	Capacity of water tank, gallons	Total length, inches	Total width, inches	Total height, inches	Approximate ship- ping weight, lbs.
				Bore, inches	Stroke, inches	Diameter, inches	Face, inches	Diameter, inches	Face, inches	Diameter, inches	Face, inches						
16	8	2	400	8	12	20	10½	36	6	54	10	19	35	135	56	61	5000

Mogul 8-16 H. P. Oil Tractor \$675.00

Cash
F. O. B.
Chicago



Rear view of Mogul 8-16 horse power oil tractor

COULD there be anything more convenient than this tractor? Spring seat with foot rest on right side, giving operator a clear view of furrow, with steering wheel directly in front, speed levers and mixer within easy reach.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)

Chicago

::

U S A

Sold by
INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)
CHICAGO U S A

*For further information write International Harvester Company of America
Chicago, Ill., or write our nearest branch house.*

BRANCH HOUSES INTERNATIONAL HARVESTER COMPANY OF AMERICA

(INCORPORATED)



ABERDEEN, S. D.	DETROIT, MICH.	LINCOLN, NEB.	RICHMOND, IND.
ALBANY, N. Y.	DUBUQUE, IA.	LITTLE ROCK, ARK.	RICHMOND, VA.
ATLANTA, GA.	EAST ST. LOUIS, ILL.	MADISON, WIS.	ROCKFORD, ILL.
AUBURN, N. Y.	EAU CLAIRE, WIS.	MANKATO, MINN.	ST. CLOUD, MINN.
AURORA, ILL.	ELMIRA, N. Y.	MASON CITY, IA.	ST. JOSEPH, MO.
BALTIMORE, MD.	EVANSVILLE, IND.	MEMPHIS, TENN.	ST. LOUIS, MO.
BIRMINGHAM, ALA.	FARGO, N. D.	MILWAUKEE, WIS.	SAGINAW, MICH.
BISMARCK, N. D.	FT. DODGE, IA.	MINNEAPOLIS, MINN.	SALINA, KAN.
BOSTON, MASS.	FT. WAYNE, IND.	MINOT, N. D.	SALT LAKE CITY, UTAH
BUFFALO, N. Y.	GRAND FORKS, N. D.	NASHVILLE, TENN.	SAN FRANCISCO, CAL.
CEDAR FALLS, IA.	GRAND RAPIDS, MICH.	NEW ALBANY, IND.	SIoux CITY, IA.
CHARLOTTE, N. C.	GREEN BAY, WIS.	NEW ORLEANS, LA.	SIoux FALLS, S. D.
CINCINNATI, OHIO	HARRISBURG, PA.	OGDENSBURG, N. Y.	SOUTH BEND, IND.
CLEVELAND, OHIO	HELENA, MONT.	OKLAHOMA CITY, OKLA.	SPOKANE, WASH.
COLUMBIA, S. C.	HUTCHINSON, KAN.	OMAHA, NEB.	SPRINGFIELD, ILL.
COLUMBUS, OHIO	INDIANAPOLIS, IND.	PARKERSBURG, W. VA.	SPRINGFIELD, MO.
CONCORDIA, KAN.	JACKSON, MICH.	PARSONS, KAN.	TERRE HAUTE, IND.
COUNCIL BLUFFS, IA.	JACKSONVILLE, FLA.	PEORIA, ILL.	TOLEDO, OHIO
CRAWFORD, NEB.	KANKAKEE, ILL.	PHILADELPHIA, PA.	TOPEKA, KAN.
DAVENPORT, IA.	KANSAS CITY, MO.	PITTSBURGH, PA.	WATERTOWN, S. D.
DENVER, COLO.	KNOXVILLE, TENN.	PORTLAND, ORE.	WICHITA, KAN.
DES MOINES, IA.	LANSING, MICH.	QUINCY, ILL.	WINONA, MINN.

